



# Birthday Cake Candles



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Problem

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Colleen is turning  $n$  years old! She has  $n$  candles of various heights on her cake, and candle  $i$  has height  $height_i$ . Because the taller candles tower over the shorter ones, Colleen can only blow out the tallest candles.

Given the  $height_i$  for each individual candle, find and print the number of candles she can successfully blow out.

## Input Format

The first line contains a single integer,  $n$ , denoting the number of candles on the cake.

The second line contains  $n$  space-separated integers, where each integer  $i$  describes the height of candle  $i$ .

## Constraints

- $1 \leq n \leq 10^5$
- $1 \leq height_i \leq 10^7$

## Output Format

Print the number of candles Colleen blows out on a new line.

## Sample Input 0

```
4
3 2 1 3
```

## Sample Output 0

```
2
```

## Explanation 0

We have one candle of height **1**, one candle of height **2**, and two candles of height **3**. Colleen only blows out the tallest candles, meaning the candles where  $height = 3$ . Because there are **2** such candles, we print **2** on a new line.



Submissions: 26211

Max Score: 10

Difficulty: Easy

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C#



```
1 using System;
```

```
2 using System.Collections.Generic;
3 using System.IO;
4 using System.Linq;
5 class Solution {
6
7     static void Main(String[] args) {
8         int n = Convert.ToInt32(Console.ReadLine());
9         string[] height_temp = Console.ReadLine().Split(' ');
10        int[] height = Array.ConvertAll(height_temp, Int32.Parse);
11    }
12 }
13
```

Line: 1 Col: 1

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☐ Test against custom input

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